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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

COUNTRY Czechoslovakia

SUBJECT CKD Machine Factory Modrany at Komorany: Production/Labor
Layout/Details of the Oxygen Section

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DATE (OF INFO.)

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SUPP. TO
REPORT NO.

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1. [REDACTED] the CKD (Ceskomoravské Kolben Danek) Machine Factory Komorany,
located near Modrany [REDACTED] is now known as CKD Machine Factory Modrany and will be called by that name throughout the report.⁷

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2. "This factory was built in 1918. It was originally a rolling mill for iron sheets.

Location

3. "It is located on the northern side of the town of Komorany. The main side of the factory is fenced by a wall 2.20 m high. The other three sides are surrounded by a wooden fence two m high.

4. "The factory owns a railway line which links it with the main railway station in Komorany.

5. "The road from Modrany to Zbraslav runs near the factory. From Modrany to the railway line the surface is asphalt. From the railway line to Zbraslav the surface is sand.

Production

6. "The production of this factory includes:

- (a) Oxygen - 100 cubic meters per hour, i.e. about 15,000 cubic meters per week.
- (b) Acetylene gas ('lighting gas' - svitiplyn).
- (c) Pipe Lines for water conduits.
- (d) Valves (ventil).

25X1 7. "The Five-Year Economic Program was fulfilled 95% [REDACTED] The worst operated section is the pipe line section.

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New Materials

8. "The factory is well supplied with all kinds of raw material. There has been no trouble in maintaining the supply.
9. "The acetylene gas section consumes 1200 kg of carbines. Sig.

Equipment

10. "The factory machinery is obsolete.

Power

11. "The factory receives its electric power from the town of Komorany.

Distribution

12. "The entire pipe line production is exported to Hungary and to the USSR.
13. "The valves are exported only to the USSR.
14. "The oxygen is sent to the CKD Slany, the CKD Liben, the Tatra-Smichov 'railway truck factory', the Smichov brewery, the Modransky Cukrovar sugar factory, the Modrany liquor factory etc. The only production of the factory that has been returned as of bad quality has been the oxygen.

Labor

15. "The factory employs 1500 workers, of whom 120 are women. The women work mostly in the offices.

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17. The foremen and masters in the factory are young fellows who have a good political education but lack technical knowledge. Plenty of the workers have more technical knowledge than the so-called foremen.
18. "Workers in the oxygen section, if they worked every Sunday also, earned 3200 - 3400 Kcs per fortnight in the old currency prior to reform of 30 May 55. In other sections of the factory the men received 4500 Kcs per fortnight in the old currency, the women 2000 Kcs.
19. "The working morale is low because of the bad wages and because a great many of the clerks and officers have been transferred to this factory compulsorily. Therefore they show little interest in the production.
20. "The leading workers and officers live in Komorany in a workers' quarter called Sulcova Kolonie. The rest of the workers live in Prague, elsewhere in Komorany, and in Modrany and Dobris.
21. "Most of the workers and officers eat at the factory canteen, where the food is not good.

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22. "There are no political prisoners working in this factory.
23. "The workers are made to take part in so-called voluntary brigades, mostly inside the factory in the sections which are lagging in their quotas for the five-year plan. Other workers were employed [redacted] at the Ridka State Farm. [redacted]"
- 25X1 24. [redacted] there were seven Stakhanovite workers, who had fulfilled the daily working norms 160%. The relation between the average workers and the Stakhanovites was very bad.
- Political Education
25. "The factory workers who are members of the CP or of the Czechoslovak Youth Organization (CSM) receive obligatory education two hours per week."
- 25X1 26. "The most dangerous CP members in the oxygen section [redacted] were Simon Jakubek, Vaclav Subrt and Josef Ryska.
- Security
27. "There is one gatekeeper in the gatekeeper's lodge. There are fire-fighters on guard day and night. They check every section of the factory once an hour during the night."
28. "The workers' militia consists of 100 men. They drill with rifles but do not carry them while on guard. The rifles are those of the regular army.
29. "There have been no strikes or cases of sabotage in this factory [redacted]. The most vulnerable points in the factory are the oxygen section, the gas works, the 'Armaturka', the section for turners, fitters and borers [No 18, Enclosure (A)], the railway line and the pipe lines."
30. The following legend applies to Enclosure (A):
- "1) The railway line toward the railway station in Modrany.
 - 2) Pipe lines
 - 3) Water tanks
 - 4) Pumps (not on sketch)
 - 5) Depot of pipe lines
 - 6) Gatekeeper's room
 - 7) Administration building
 - 8) Garages
 - 9) Gas works for the production of acetylene
 - 10) 'Armaturka'
 - 11) Electric welding
 - 12) Grinding of valves (ventily)
 - 13) Control of the valves (ventil) under water pressure
 - 14) Painter's workshop
 - 15) Electric workshop
 - 16) Offices
 - 17)-18) Turners, fitters, borers
 - 19) A small locksmith's workshop
 - 19a) Apprentice's workshop
 - 20) X-ray control of valves and other material
 - 21) Workshops, not completed [redacted]
 - 22) Joiner's workshop
 - 23) Depot for wood
 - 24) Joiners' workshop
 - 25) Former boiler house
 - 26) Tinsmiths' workshop
 - 27) Depot for the oxygen section
 - 28) Depot for coal
 - 29) Depot for oxygen and ammonia
 - 30) Chimney

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- 31) Main material depot
- 32) Machinery section (drilling machines, lathes, milling machines)
- 33) Painting workshops
- 34) Toolmakers' workshops
- 35) Electrical welding
- 36) Production of oxygen
- 37) Boiler house
- 38) Oxygen tanks
- 39) Wells
- 40) Offices
- 41) A small workshop
- 42) Fire fighters' depot
- 43) Workers' mess hall
- 44) Canteen
- 45) Kitchen
- 46) Production of pipe lines
- 47) Depot of coal for the pipe line section
- 48) Small depot

31. The following legend applies to Enclosure (B)

a - "old" oxygen section

- 1) One machine for the production of oxygen, year of production 1931 by the Haucman firm, Vienna. This machine is producing 30 cubic meters per hour, 98.5% pure.
- 2) Machine for the production of oxygen, year of production 1918, by the Haucman firm, Vienna. Producing 20 cubic meters of oxygen per hour, 99.2% pure.
- 3) Only one of these two machines can work. It is not possible to produce oxygen with both machines at the same time, because they are connected with only one compressor.
- 4) Working table
- 5) Electric engine of the electric compressor, year of production 1931, Haucman firm, Vienna.
- 6) Oxygen compressor - year of production 1913, Surth-am Rhein, firm, pumping 30 cubic meters per hour.
- 7) Cleaning station, year of production 1913, Surth am Rhein.
- 8) Air compressor, '3 stage', 250 cubic meters per hour, year of production 1913, Surth am Rhein.
- 9) Balance wheel.
- 10) Filter of the air from the 1st stage.
- 11) Absorbtion tower for carbon dioxide, year of production 1913, Surth am Rhein.
- 12) Electric engine for the air compressor 300 S.

b - The 'new' oxygen section

- 12) Electric engine for the compressor of the new oxygen section, year of production 1945.
- 13) Distillation stove for the production of distilled water.
- 14) One machine, type LM 70, year of production 1944, Frankfurt am Main, 'temperature changer'. It produces 70 - 75 cubic meters per hour of oxygen, 99.4 - 99.7% pure.
- 15) A machine which helps to drive the air compressor, year of production 1944, Frankfurt am Main, type MM 70.
- 16) Air compressor producing 400 cubic meters of compressed air per hour, year of production 1944, Frankfurt am Main, MM 70.
- 17) A tank for distilled water.
- 18) Oxygen compressor, pumping 75 cubic meters per hour, year of production 1944, Frankfurt am main, MM 70.
- 19) Electric engine for the oxygen compressor.
- 20) Wardrobe

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- 21) Working table
- 22) Chemical department
- 23) Absorbtion cover which purifies the air of CO₂, at a pressure of 2.5 atmospheres.
Year of production 1924, Frankfurt am Main.
- 24) Depot
- 25)- 26) Filling stations
- 27) Ramp
- 28) Gas tank; contains 230 cubic meters of oxygen."

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ENCLOSURE (A): Sketch of the CKD Machine Factory Modrany
(B): Sketch of the Oxygen Section of the CKD
Machine Factory Modrany

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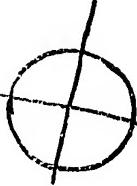


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OKB Machine factory
Library

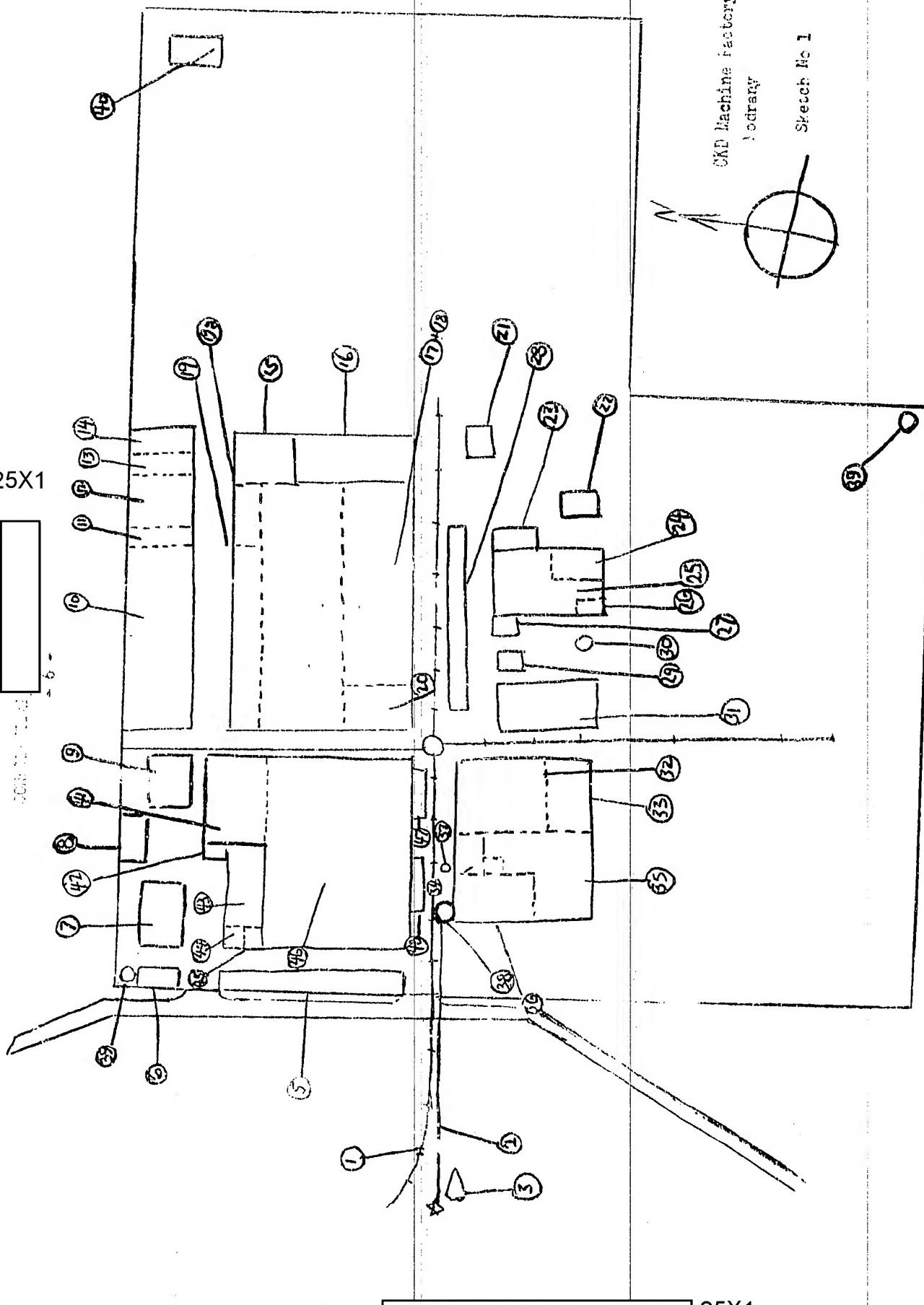
Sketch No 1



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Cryogenic Section Sprung No. II
of OKB Machine Factory, Louray

Detail of Section 3b in sketch.

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